AUTHOR INDEX, VOLUME 47

Adler, Bella, 15
Agudelo, William E., 352
Akgür, Feza M., 1162
Aktug, Tanju, 1162
Aldini, Nicoló Nicoli, 303
Allison, Keith P., 1114
Alonso, Jorge E., 1063
Alpert, Nathaniel M., 341
Alt, Volker, 555
Ambrogi, Vincenzo, 1088
Amgwerd, Markus, 760
An, Gary, 622, 977
An, Kai-Nan, 55
Anastassov, George E., 396
Andrews, Brian T., 438
Angood, Peter, 403
Arbabi, Saman, 829
Asensio, Juan A., 896
Ashton, Robert C. Jr., 699
Atweh, Nabil A., 142, S109
Aucar, John A., 979
Augenstein, J., 1160
Auler, José O. Jr., 288
Aupecle, Bertrand, 400
Aya, Guy, 474
Azorin, Jacques F., 400

Bacchetta, Matthew A., 985
Bain, Lawrence W., 1018
Balkan, Müjdat, 154
Bandiera, Glen W., 932
Bankey, Paul E., 1079
Barie, Philip S., 787, 864, 985
Barker, Donald E., 275
Barnett, Carlton, 774
Barquist, Erik, 336, 564
Barret, Juan P., 526
Barrett, John, 529, 622, 977
Basha, Gael, 300
Bass, Robert R., S15
Battan, Keith, 243
Baue, Arthur E., 190
Baunin, C., 169
Bazzoli, Gloria J., S22
Bealer, John F., 105
Beall, L. Dawson, 233
Bebington, B. D., 156
Beck, Martin, 72
Beech, Derrick J., 568
Belzberg, Howard, 896
Ben-Avraham, Ron, 261
Bensard, Denis D., 1163
Berger, Gerald, 379
Berne, John D., 896
Berne, Thomas V., 896
Bertinchant, Jean-Pierre, 474
Bessey, Palmer Q., 8
Bhardwaj, Anish, 659
Biancolini, César A., 728
Biffi, Walter L., 1163
Biffl, Walter L., 438, 845
Bilfinger, Thomas V., 588
Biliński, Piotr Jacek, 1148
Billica, Roger D., 970
Bir, Cynthia A., 468
Bland, Kirby I., 706
Blocher, Charles R., 1000
Blow, Osbert, 964
Bohnen, Paul A., 1092
Bokhari, Faran, 977
Bolton, J. W. Randolph, 597
Bonab, Ali A., 341
Bonassar, Lawrence J., 1079
Boström, Lennart, 733
Boulanger, Bernard R., 632
Bourg, Pamela W., 594
Bourguignon, Paùl, 834
Brackett, Daniel J., 105
Bradley, Donald V. Jr., 64
Brand, Dawn M., 509
Brandes, Steven B., 643
Brathwaite, Collin E. M., 617
Brawanski, Alexander, 1126
Brega, Kerry E., 845
Brenneman, Frederick D., 632
Brock, Gerald B., 183
Brock, Mario, 606
Brooks, A., 156
Brown, Alastair, 822
Brown, William J., 1045
Brückner, Uwe B., 358
Brundage, Susan I., 500, 829, 1009
Bryk, Eli, 951
Buckingham, Susan, 834
Buckman, Robert F., 441
Buderer, Nancy M. Fenn, 928
Burch, Jon M., 845
Burns, Gerard, 142
Burns, R. Phillip, 275
Burrows, Patricia E., 173
Butler, Karyn L., 582
Butler, Kathy, 964
Byers, P., 1160

Caldwell, Fred T. Jr., 120
Calkins, Casey M., 774
Campbell, Fiona M., 891
Caps, Michael, 521
Carlini, Anthony R., S15
Carmona, Maria J., 288
Carrillo, Eddy H., 1164
Carter, Edward A., 341
Carter, Steve, 521
Caruso, Daniel M., 611
Caruso, Robert P., 993
Casali, Christian, 437
Castro, Alexjandro, 659
Caushaj, Philip F., 142
Cayten, C. Gene, 8
Cernak, Ibolja, 96
Chambers, Jodi A., 594
Chambers, Jody A., 324
Champion, Howard R., 441
Chan, Eric S. Y., 918
Chan, Err-Cheng, 136
Chan, Peter T. K., 183
Chan, Yi-Sheng, 136
Chang, Chau-Hsiuing, 591
Chang, King-Jen, 881
Chang, Michael C., 1004
Chao, En-Kai, 558
Chapuis, Olivier, 400
Chaudry, Irshad H., 706
Chaushu, Gabriel, 261
Chen, Chao-Yu, 136, 558
Chen, Chien-Tsu, 538
Chen, Han-Ming, 1108
Chen, Hung-Chi, 89, 1142
Chen, Jih-Chang, 1108
Chen, Kuei-Tian, 136
Chen, Miin-Fu, 515, 1108, 1122
Chen, Qiang, 982
Chen, Ray-Jade, 515, 1122
Chen, Shyr-Chyr, 881
Chen, Yao-Liang, 1156
Cheng, Ming-Huei, 89, 1142
Cherng, Wen-Jin, 599
Cheung, Yun-Chung, 1156
Chi, Emil, 521
Chiba, Yukio, 975
Chinkes, David L., 904
Chiu, Wen-Ta, 538
Chu, Chi-Sing, 294
Chuang, Sung-Kiang, 396
Chughtai, Talat, 406
Chung, Kevin C., 416
Cicci, Christopher K., 1104, 1140
Cioffi, William G., 706
Ciraulo, David L., 275
Claridge, Jeffrey A., 964
Clark, David E., 448, S92
Clark, John, 336
Clemmer, Terry P., 25
Cohen, Scott, 396
Cohn, S., 1160
Cooney, Robert N., 533
Cooper, Arthur, 8, S90
Copass, Michael, 1131
Copes, Wayne S., 1018
Cordova, John, 790
Cornejo, Carol, 521
Cornwell, Edward E., 896
Coyle, Douglas, S99
Crass, Richard A., 509
Crestanello, Juan A., 161
Cristino, Benedetto, 1088
Croce, Martin A., 995
Crombie, Courtney H., 385
Crum, Lawrence, 521
Curry, Fitz-Roy E., 486
Cuschieri, Joseph, 551

Dahiya, Ravinder, 1079
Dakin, Greg J., 1063
D'Alessio, John G., 992
Dalshaug, Gregory B., 413
Daranciang, Elizabeth, 1131
Dauzat, Michel, 474
Davis, Edward G., 441

Davis, Frank E., 352
Davis, James W., 186
Davis, John H., 802
Davis, Kimberly A, 995
Dawson, David L., 64
Day, Adrian C., 638
Dayan, Dan, 261
Deal, Gregory A., 1084
Dean, J. Michael, 243
Debroy, Meele A., 904
Deitch, Edwin A., 854
de la Coussaye, Jean-Emmanuel, 474
Del Bosco, Carlos G., 728
DelMonico, Francis L., 1060
Demetriades, Demetrios, 585, 896
Desai, Manubhai H., 526
Desai, Nirali, 854
Diebel, Lawrence N., 970, 1045
Diglio, Clement A., 1045
DiScala, Carla, 1
Dischinger, Patricia C., 874
Doherty, Jacqueline M., 885
Dolich, M., 1160
Dombi, George W., 130
Donovan, Dennis M., 1131
Doty, James M., 1000
Doucet, Major Jay J., 956
Dries, David J., 254
Drommer, Sandra, 33
D'Souza, Stephen P., 393
Dudney, Tina M., 25
Duffy, Steven, 492
Dulchavsky, Scott A., 970, 1045
Durham, Rodney M., 651

Eachempati, Soumitra R., 864, 985
Eberhardt, Alan W., 1063
Egger, Marlene, 25
Ehrlich, H. Paul, 533
Ekkernkamp, Axel, 1072
Eledjam, Jean-Jacques, 474
El-Helou, Philippe, 923
Elliott, C. Gregory, 25
ElMaraghy, Amr, 638
El-Tawil, Qalid, 896
Erickson, Whitney, 627
Erler, Kaan, 724
Esposito, Thomas J., 243, S104
Estrera, Anthony L., 979
Evankovich, Christine, 1039

Fabbro-Peray, Pascale, 474
Fabian, Thaddeus S., 275
Fabian, Timothy C., 225, 995
Fakhry, Itaf, 1000
Falimirski, Mark, 1039
Fang, Jen-Feng, 515, 1122
Farrell, Louise Szypulski, 8
Fealy, Stephen, 1150
Feickert, Hans-Joachim, 33
Fein, Eleanor, 336
Fekete, Zoltan, 854
Ferrando, Arny A., 904
Fichtner, Kurt A., 793
Fildes, John J., 529
Fini, Milena, 303
Fink, Christian, 50
Fischbach, Roman, 44
Fischer, Eva, 787
Fischman, Alan J., 341
Fishman, Jay A., 912
Foëx, Bernard A., 481
Foil, M. Beth, 385
Fontenelle, Larry J., 766
Ford, Henri R., 1098
Fortune, John B., 627
Franciose, Reginald J., 845
Frank, Kris T., 1060

Gaebler, Christian, 379
Gainer, Patricia S., S15
Galinier, P., 169
Gamelli, Richard L., 1052
Gando, Satoshi, 719
Ganocy, T. Kent II, 158
Garber, Bryan G., S99
Gardner, Mary, 1098
Garner, Jeffrey P., 780
Garthe, Elizabeth, 309
Gasparri, Mario G., 22
Gassner, Robert J., 50
Gebhard, Florian, 358
Gehr, Todd W. B., 1000
Geller, Evan R., 617
Gentilello, Larry M., 829, 1131
George, Christopher D., 780
Georgiadis, Gregory M., 389
Giannikis, George, 176
Giardino, Roberto, 303
Giavaresi, Gianluca, 303
Gillett, David, 684
Gillett, Tracy, 684
Ginzburg, E., 1160
Girardi, Leonard N., 787
Gofin, Rosa, 15
Goldman, Robert K., 509
Gonzalez, Richard P., 1039
Goodwin, Cleon W., 294
Gorthy, Shih-Fang Huang, 8
Goslingath, Peter, 1114
Goulet, James A., 60
Grachek, Rebecca A., 265
Graf, Eran, 691
Granchi, Thomas S., 979
Graves, Denise B., 120
Grossman, David C., 500
Grossman, Michael D., 684
Gruen, Melissa Beth, 151
Guhathakurta, Soma, 982
Güleç, Bülent, 154
Gür, Ethem, 724

Hackl, Wolfgang, 50
Haenel, James B., 774
Hahn, David R., 448
Hahn, Elisabeth L., 1052
Hahn, Michael P., 1072
Hahnloser, Dieter, 760
Haisch, Carl E., 385
Hak, David J., 60
Hall, R. Alan, 1009
Hall, Richard I., 956
Hamilton, Douglas R., 970
Hamilton, Paul, 638
Handrahan, Diana, 25
Hannan, Edward L., 8
Hansen, Joseph D., 243
Harding, Nicholas R., 951
Hargarten, Stephen W., 145
Harris, John B., 1161
Harris, Richard A., 233
Hartmann, Joseph R., 408
Hashimoto, Fumio, 777
Hass, Tamar, 15
Hauser, Carl J., 854
He, Like K., 1052
Hébert, Paul C., S99
Hedges, Jerris R., S67
Heinze, Georg, 379
Herbert, Kevin, 822
Herndon, David N., 526, 904
Hess, John R., 233
Hewitt, Peter MacD, 346
Heyer, Raban, 33
Hickman, Rosemary, 346
Hildebrandt, Frank, 673
Hill, Andrew B., 406
Hillers, Thomas K., 932
Hirshberg, Asher, 545
Ho, Anthony M.-H., 423
Ho, Shiu M., 874
Hoang, Minh-Tuan R., 324
Hochhauser, Edith, 691
Hoey, Brian A., 385
Hogervorst, Mike, 365
Holcomb, John B., 233
Holcroft, James W., 324
Holevar, Michele R., 1039
Hollis, Sally, 891
Holmes, James H. IV, 1009
Holper, Bernd, 379
Horn, Susan D., 25
Horst, H. Mathilda, 551
Hotz, Thomas K., 942
Hoyt, David B., 179, S42, 1162
Hsieh, Jing-Ru, 591
Hsu, Che-Chiao, 39
Hsu, Yu-Bau, 515, 1122
Huang, Haw-Ming, 538
Hughes, Robert, 393
Hui, Yu-Ling, 591
Hulka, Frieda, S85
Hung, Ming-Jui, 599
Hunt, John L., 492
Hunt, Richard C., S108

Ida, Hideo, 77
Ignjatovic, Dragan, 96
Igwilo, Obinna C., 1153
Ihaya, Akio, 975
Ihnat, Daniel M., 64
Ikeda, Kazuo, 777, 946
Irnich, B., 606
Irwin, Randy J., 105
Itoi, Eiji, 55
Itoman, Moritoshi, 744
Ivy, Michael, 142

Jacob, Olapallil J., 768
Jancovici, René, 400
Jani, Niraj D., 564
Janicak, Christopher A., 1084
Jarman, Robert H., 352
Jevtic, Miodrag, 96
Joffre, F., 169
Johnson, Joseph, 336
Johnson, Kenneth D., 937

Johnson, Steven B., 627
Jones, Sarah, 1114
Jorge, Miguel A., 728
Joseph, Kimberly, 622, 977
Jurkovich, Gregory J., 500, S25, S46, 1009, 1131

Kach, Kurt P., 942
Kaczkowski, Peter, 521
Kalb, David C., 576
Kao, Jung-Liang, 515, 1122
Kao, Yi-Chin, 515, 1122
Karchevsky, Ela, 691
Karkos, Christos D., 393
Karmy-Jones, Riyad, 551
Karmy-Jones, Riyad C., 22
Kasten, Steven J., 416
Kaufman, Marla S., 161
Kaya, Ekrem, 572
Keilman, George, 521
Kelen, Gabor D., 1
Keller, Jeanne D., 1079
Kemmotsu, Osamu, 719
Kerwin, Andrew J., 928
Khetarpal, Suneel, 576
Kiesnowski, Brian, 385
Kim, Unsup, 176, 972
Kimura, Tetsuya, 975
King, Walter W. K., 918
Kinnas, Nicholas C., 1153
Kinzl, Lothar, 358
Kirino, Takaaki, 1161
Kirkman, Emrys, 481
Kirkpatrick, Andrew W., 632
Kirton, O., 1160
Kissinger, David P., 64
Kitterman, Natalie, 25
Kiyoshige, Yoshiro, 77
Kligman, Mark D., 928
Klug, Norfrid, 44
Kluger, Yoram, 261, 691
Kniemeyer, Horst W., 72
Knottenbelt, John D., 346
Knotts, F. Barry, 928
Ko, Kathryn, 151
Ko, Sheung-Fat, 1156
Kobayashi, Shigeaki, 719
Kozak, Orhan, 154
Kralovich, Kurt A., 22, 551
Krausz, Craig, 651
Kreder, Hans J., 638
Kufera, Joseph A., 874
Kuwagata, Yasuyuki, 111, 666

Lajam, Fuad, 972
Lajos, Paul, 400
Lam, Ping K., 918
Landry, Donald W., 699
Lankford, Ashley, 784
Lau, Chi H., 918
Lau, Ying-Tung, 1108
Laun, Reinhold A., 1072
Ledermann, Bertrand, 474
Ledgerwood, Anna M., 130
Lee, Chen-Chin, 591
Lee, Hung-Yi, 89
Lee, Maw-Chang, 538
Lee, Sheng-Yang, 538
Lee, Shih-Tseng, 1156
Lee, Shiuann-Sheng, 136, 558, 752
LeQuire, Mark H., 1140
Lerner, Megan R., 105
Lett, E. Dwayne, 275
Levick, Nadine, 1
Lewis, Frank R. Jr., 324
Li, Guohua, 1
Liao, Song-Yu, 39
Liberati, David M., 1045
Light, Jerry T., 64
Lin, Being-Chuan, 515, 1122
Lin, Fang-Yue, 881
Lin, Jeffrey C., 165
Lin, Jer-Nan, 1108
Lin, Pyng-Jing, 591
Lin, Song-Shu, 136, 752
Lindsey, Ronald W., 158
Linhart, Wolfgang E., 372
Lipton, Jeffrey F., 951
Litofsky, N. Scott, 1079
Little, Roderick A., 481
Liu, Shih-Jung, 752
Livingston, David H., 854
Lo, Chi-Chen, 1108
Lodi, Renzo, 437
Louie, Marie, 923
Lowe, Daniel K., S106
Lucas, Charles E., 130
Lucas, S., 156
Lydon, Martha, 300
Lynch, James M., 1098

Mack, Chris D., 500
MacKenzie, Ellen J., 441, S25, S34
Mackway-Jones, Kevin, 481
MacPhee, Martin J., 233
Madan, Atul K., 568
Magliore, Lissa, 964
Magovern, Christopher J., 787
Maier, Ronald V., 500, 1009
Maish, George O. III, 533
Malay, Mary Beth, 699
Malbouisson, Luiz M. S., 288
Maloo, Manoj K., 173
Mango, Nicholas K., 309
Mann, Kenneth A., 1063
Mann, N. Clay, S3, S25, S59, S69, S75
Mantor, P. Cameron, 105
Marias, Mark, 455
Martin, Roy, 521
Martin, Sharen E., 352
Martinez, Octavio, 330
Martinez, Ricardo, S79
Martinod, Emmanuel, 400
Matsuda, Hiroharu, 282
Matsuura, K., 1160
Matthews, Marc R., 611
Mattox, Kenneth L., 979
Matylevich, Natalia P., 294
Maxeiner, Helmut, 606
Maxwell, Robert A., 995
Mayberry, John C., 509
Mazuski, John E., 651
McAndrew, Mark P., 937
McAninch, Jack W., 643
McCormack, Jane E., 617
McGahan, John P., 1092
McGonigal, Michael D., 576
McGrath, Mark, 1013
McKee, Michael D., 638
McKenney, M., 1160
McLellan, Barry, 638
McLellan, Barry A., 632, 923
McMahon, C. Geraldine, 891
McManus, Albert T., 294
Meade, Paul G., 385
Megerian, Cliff A., 1079
Meisel, Zachary, 1
Meredith, J. Wayne, 1004
Merrell, Steven, 25
Mesidor, Dominique A., 582
Messick, W. Joseph, 1104
Messink, William F., 1153
Mestek, Michael, 438
Metz, Christoph, 1126
Michaels, Andrew J., 254, 460, 867
Michaels, Claire E., 460, 867
Mikulaschek, Andrew, 179
Miller, Preston R., 1004
Milliet, Nicolas, 420
Milne, John S., 145
Milne, Ted, 379
Mineo, Tommaso C., 1088
Miyagatani, Yasusuke, 282
Mock, Charles, 410, S46
Mock, Charles N., S25
Moon, Christina H., 460, 867
Moore, Ernest E., 438, 455, 774, 845, 1163, 1163
Moore, Harvey G. III, 403
Morimoto, Yuji, 719
Morioka, Koichi, 975
Morrey, Bernard F., 55
Morris, Stephen E., 859
Mottley, Lawrence, 8
Motzkin, Neil E., 55
Muhr, Gert, 1072
Mui, Florence, 977
Mulder, David S., 406
Mullins, Richard J., S2, S3, S8, 324, 509, S25, S59, S75
Munn, Daniel D., 1004
Muraoka, Ryusuke, 975
Murdock, Cabot S., 766
Murphy, Joseph T., 492
Murray, James A., 896

Nadler, Evan P., 1098
Nagy, Kimberly, 622, 977
Nagy, Kimberly K., 529
Nakamura, Toshiaki, 744
Nakata, Yasuki, 111
Nalladaru, Zubin, 982
Namias, N., 1160
Nanji, Sulaiman A., 410
Nanzaki, Satoshi, 719
Nason, Katie S, 1131
Nawab, Akbar, 555
Ney, Arthur L., 576
Ng, Peter C., 385
Ng, Shu-Hang, 1156
Nguyen, Dao M., 406
Nicholas, Jeffrey M., 186
Nichols, Patricia, 834
Nilsson, Bo, 733
Ninomiya, Norihisa, 666
Nirula, Ram, 585
Nosko, Michael G., 151

Novak, Lawrence, 834

Obeid, Farouck N., 22, 551
O'Brien, Paul E., 324
Ochoa, Juan, 632
Ochsner, M. Gage, 352
Oda, Jun, 666
Oettle, G. J., 156
Offner, Patrick J., 845
Ogino, Toshihiko, 77
Ohta, Shin, 282
Ohta, Shoichi, 282
Okada, Kazuko, 777
Olguner, Mustafa, 1162
Orme, James F., 25
Osler, Turner, 834
Osler, Turner M., 802
Ospina, Jorge A., 330
Ostermann, Peter A. W., 1072
Otal, P., 169
Ott, Richard A., 165
Ozguc, Halil, 572

Paci, Massimiliano, 437
Pakos, Paul, 44
Paletta, George A. Jr., 1150
Pali, Michael J., 1092
Pallister, Ian, 1114
Pan, Deborah, 403
Pape, Hans-Christoph, 190
Papia, Giuseppe, 923
Patel, Ameet G., 72
Patrick, David A., 1163
Patton, Joe H., 551
Paul, J. L., 169
Paul, Tim R., 455
Pawłowski, Piotr, 1148
Pearl, Laurence B., 796
Pekcan, Mesut, 154
Perez, Federico, 529
Perkins, Frederick M., 564
Perreault, P., 169
Perry, Charles W., 611
Peterson, Christopher, 460, 867
Petras, Lisa, 300
Phillips, Bradley J., 611
Philpott, Jonathan M., 385
Phlegar, Robert F., 275
Pignodel, Christine, 474
Pike, Jeremy M., 780
Pin, Richard, 1000
Pineau, Michael J., 142
Pistolese, Chiara, 1088
Platz, Andreas, 760
Plewnia, Christian, 986
Poirey, Sophie, 474
Polge, Anne, 474
Poliachik, Sandra, 521
Poli de Figueiredo, Luiz F., 288
Pollock, Daniel, S81
Pollock, Daniel A., S56
Pompeo, Eugenio, 1088
Pons, François, 400
Pons, Kathryn A., 455
Pons, Peter T., 455
Porter, John M., 437
Porter, Keith M., 1114
Possenti, Paul P., 142
Powell, Melissa A., 186
Prasad, Vishal, 393
Prueckner, Stephan, 1028
Pruitt, Basil A. Jr., S1, 294
Puget, C., 169
Pugh, Kevin J., 937
Purdue, Gary F., 492
Pusateri, Anthony E., 233
Putnam, A. Tyler, 64

Qureshi, Adnan I., 659

Rabau, Micha, 261
Rabinovici, Reuven, 403
Rachlis, Anita, 923
Radovsky, Ann, 1028
Rager, Juliusz, 358
Rasmussen, Todd E., 64
Reber, Peter U., 72
Reed, R. Lawrence II, 864
Rehring, Thomas F., 594
Reid, Thomas J., 233
Reilly, Patrick M., 684
Reynolds, Stuart A., 243
Richards, John R., 1092
Richter, Dirk, 1072
Ries, Richard R., 1131
Ris, Hans-Beat, 72
Rivara, Frederick P., 1131
Robert, Emmanuelle, 474
Roberts, Roxanne, 622, 977
Robinson, Richard, 406
Rocca, Michele, 303
Rocha e Silva, Maurício, 288
Rockswold, Gaylan L., 265
Rodgers, Jane F., 928
Rodriguez, Jorge L., 576
Rogers, Frederick B., 605, 802
Roposch, Andreas, 372
Rosen, Jeffrey, 408
Rosenberg, Mark L., S81
Rosenfeld, Jeffrey V., 768
Rothoerl, Ralf D., 1126
Rothwell, Bruce C., 413
Rousseau, H., 169
Rub, Ronen, 261
Rudick, Valery, 691
Russell, George V. Jr., 799
Ryb, Gabriel E., 874

Sabri Ateşalp, A., 724
Sacco, William J., 441
Safar, Peter, 1028
Saffle, Jeffrey R., 859
Saggi, Bob H., 1000
Samuels, Louis E., 161
Sanddal, Nels D., 243
Santora, Thomas A., 1018
Sapio, Nicola L.D., 72
Sargsyan, Ashot E., 970
Sartorelli, Kennith, 834
Sasaki, Kan, 77
Savic, Jovan, 96
Scaife, Courtney L., 859
Schall, Laura C., 1098
Schemitsch, Emil H., 638
Schneider, Michael, 766
Schondorf, Ronald, 183
Scott, Walter J., 790
See, Lai-Chu, 89
Seekamp, Andreas, 673
Séguin, Jean, S99
Seligson, David, 555
Senkowski, Christopher K., 784
Shackford, Steven R., 802, 834
Shadick, David, 336
Shah, Manoj R., 1153
Shamberger, Robert C., 173
Shank, Eric S., 426
Shapiro, Marc J., 651
Sharar, Sam, 521
Sharma, Ashok Kumar, 982
Shatos, Marie A., 885
Shatz, D., 1160
Shatz, David, 336
Shatz, David V., 1013
Shen, Han-Yu, 176
Sheridan, Robert, 300
Sheridan, Robert L., 426, 1060
Shih, Chun-Hsiung, 752
Shimazaki, Shuji, 282
Shimazu, Hideaki, 282
Shimazu, Takeshi, 666
Shiozaki, Tadahiko, 666
Shumate, Margaret L., 533
Shyr, Ming-Huang, 1108
Sica, Domenic A., 1000
Silverman, Richard, 1162
Silverstein, Mark I., 582
Simor, Andrew E., 923
Sinclair, Karlene E., 582
Sing, Ronald F., 1104, 1140
Sisley, Amy C., 627
Skinner, Ruby A., 486
Sleeman, D., 1160
Smith, Charles H., 1104
Smith, Douglas G., 799
Smith, Joshua S., 460, 867
Soderstrom, Carl A., 874
Solakoglu, Can, 724
Spies, Claudia, 606
Squire, Bede Harold, 982
Stackhouse, Daniel J., 1140
Stafford, Renae, 576
Stannard, James P., 1063
Stanzl-Tschegg, Stefanie, 379
States, John D., 309
Stefani, Allesandro, 437
Stein, Michael, 545
Steinbach, Gerald, 358
Steinbrunn, Barbara S., 576
Stephen, David J. G., 638
Stephens, Kenton E. Jr., 793
Stezoski, Jason, 1028
Stezoski, S. William, 1028
Strauch, Gerald O., 436
Strecker, Wolf, 358
Su, Min-Seng, 738
Suarez, Jose I., 659
Sugerman, Harvey J., 1000
Sugimoto, Hisashi, 111, 666
Sugrue, Michael, 191
Sulkowski, Robert J., 1153
Swan, Kennetyh G., 993
Szalai, John-Paul, 923

Taheri, Paul A., 254, 460
Tai, Ching-Lung, 752
Tai, Hsin-Hsiung, 1052

Takagi, Michiaki, 77
Takasu, Akira, 1028
Takayama, Kazuyoshi, 946
Talkowski, Jerzy, 1148
Talucci, Raymond, 161
Tanaka, Hiroshi, 111
Tandon, Nitin, 190
Tang, Nelson, 1
Tasar, Mustafa, 154
Taub, Peter J., 176, 972
Taylor, Rosemary H., 768
Terhaag, Ditmar, 44
Thomas, Frank, 25
Thomas, Herbert J. III, 825
Thomas, Matthew P., 161
Timaran, Carlos H., 330
Tisherman, Samuel A, 1028
To, Edward W. H., 918
Tokyay, Rifat, 572
Tomita, Katsuro, 777, 946
Tompkins, Ronald G., 341
Tong, Lawrence, 416
Tong, Wai Chung, 500
Townsend, Ricard N., 699
Trentz, Otmar, 760
Trooskin, Stanley Z., 1018
Trunkey, Donald D., 509, 796, S44
Tsai, Feng-Chun, 591
Tscherne, Harald, 673
Tseng, Wen-Sun, 1142
Tu, Yuan-Kun, 82
Tuchek, J. Michael, 408
Tucker, Vicky L., 486, 713
Tuggle, David W., 105
Tuli, Tarkan, 50
Tung, Tung-Chain, 1142

Uberti, Eileen, 1060
Ueng, Steve W. N., 136
Ueng, Steve Wen-Neng, 82, 558, 752
Uesaka, Takahiko, 975
Ummenhofer, Wolfgang, 420

Vaezy, Shahram, 521
Van den Bosch, Eric W., 365
Van der Kleyn, Richard, 365
Vane, Dennis W., 802
Van Gelder, Carin M., 885
van Griensven, Martijn, 673
Van Vugt, Arie B., 365
Vargo, Janet M., 265
Varicoda, Edson Y., 288
Vary, Thomas C., 533
Vassar, Mary J., 324
Vécsei, Vilmos, 379
Velmahos, George C., 585, 896
Viano, David C., 468
Victorino, Gregory P., 713
Vidne, Bernardo A., 691
Vigorita, Vincent J., 951
Villaveces, Andres, 1131
Vlahos, Angie L., 130
Vollmer, Dennis G., 189
Vosswinkel, James A., 588, 617

Wachtel, Thomas L., 594
Wahl, Wendy L., 254
Wahlers, Thorsten, 673
Walden, Raphael, 545
Waldhart, Ernst, 50
Walker, Jamie S., 385
Wall, Mathew J. Jr., 979
Wallace, Bonny H., 120
Wallace, Carla, 986
Wan, Yung-Liang, 1156
Wang, Chang-Jieh, 89
Wang, Chao-Hung, 599
Wang, Chao-Ran, 752
Wang, Kun-Chuang, 82
Wang, Ma-Li, 602, 738
Wang, Ping, 706
Wang, Stewart C., 254
Warnier, Geoffroy, 400
Watters, David A. K., 768
Waxweiler, Richard, S81
Weaver, Lindell, 25
Weaver, Wm. Lynn, 582
Wedekind, Christoph, 44
Wei, Fu-Chain, 1142
Wei, Fu-Chan, 89, 738
Weigelt, John A., 324
Weinbroum, Avi, 261
Weinbroum, Avi A, 691
West, Michael A., 576
White, Fiona, 932
Wilkinson, Robert A., 912
Williams, David R., 970
Willis, Charles E. III, 438
Winter, Chris B., 594
Wisner, David H., 713
Wixon, Christopher L., 385
Wladis, Andreas, 733
Woertgen, Chris, 1126
Wolf, Steven E., 904
Wolfe, Robert R., 904
Wolinsky, Philip R., 937
Wong, Ho-Fai, 1156
Wong, Sing-Sieng, 602, 738
Wong, Yin-Kin, 39
Woodford, Maralyn, 891
Woods, Randy J, 1028
Woody, Jonathan D., 275
Wu, Christopher L., 564
Wu, Jionn-Jong, 39

Yang, Chuen-Yung, 136
Yang, Shaolong, 706
Yates, David W., 891
Yazaji, Eskandar, 521
Yeates, Sandra, 25
Yeh, Wen-Lin, 82
Yen, Siu C., 918
Yokoyama, Kazuhiko, 744
Yoshimura, Mitsuo, 777
Yoshioka, Toshiharu, 111
Young, Jeffrey S., 964
Yu, Kathy, 568
Yu, Pingyang, 130
Yu, Yong M., 341
Yuen, Pak-chuen, 1009
Yukioka, Tetsuo, 282
Yunuk, Özkan, 572

Zellweger, Rene, 942
Zhang, Chi, 1013
Zhang, Xiao-Jun, 904
Zimmerman, Marc A., 460, 867
Zochodne, Douglas, 986

SUBJECT INDEX, VOLUME 47

Abbreviated Injury Scale, modification of, effects on global data classification, 309
Abdomen
  compartment syndrome
    severe hemorrhagic shock and, 995
    trauma surgeons opinions on prevention of, 509
  temporary closure of (letter), 190, 191
Abdominal trauma
  blunt
    gastric rupture resulting from, gastric resection for, case report, 410
    intussusception from, adult, case report, 156
    sonography-based algorithm role in assessment, 632
    splenic injury management and, CT and splenic scoring overuse in, 651
  hip dislocation and, motor vehicle crash, 60
  penetrating
    prognostic factors and management, 330
    spincteroplasty as adjunct in, 22
    stab wounds with evisceration, laparotomy and, 622
Abdominal wall, prosthesis for replacement, with/without peritonitis, 529
Academic Symposium to Evaluate Evidence Regarding the Efficacy of Trauma Systems, S3
Acetabular fractures
  displaced open, open reduction and internal fixation treatment, case report, 389
  patterns, association with motor vehicle crash data, 1063
Adolescents
  incidence and impact of injuries, population-based study, 15
  posttraumatic dissection of renal artery, endoprosthesis for treatment, case report, 169
  trauma, curfew law effects on, 1013
  traumatic disruption of external anal sphincter, watercraft water jet accident, case report and literature review, 385
Age, mortality and morbidity predictor in trauma patients (letter), 437
Air transport, laryngeal mask airway use during, after intubation failure, 352
Airway management
  dilatational percutaneous tracheostomy and, 142
  laryngeal mask airway for, use during air transport after intubation failure, 352
Alcohol
  dependence
    blood alcohol concentration for detection of in trauma centers, 874
    detection of, staff in trauma center, 1131
  intoxication, cardiac tamponade effects, in penetrating chest trauma, 346
  use of, life-threatening trauma and, 568
American College of Emergency Physicians, policy statement on trauma system development, S110
Aminoguanidine, hemodynamic and microcirculatory derangement in intestinal ischemia and reperfusion, 1108
Amphotericin B, fungal infections in critically ill patients and, comparison with dextrose colloidal solution, 336
Amputations, below-knee, land mine-related, primary closure vs. delayed primary closure techniques, 724
Anabolic hormones, insulin-like growth factor and insulin-like growth factor binding protein-3, effects in burn patients, 904
Anal sphincter, external, traumatic disruption, by watercraft water jet, case report and literature review, 385
Analgesia, thoracic epidural vs. patient-controlled, rib fracture pain after motor vehicle crashes, 564
Anastomosis, microvascular, lower lip avulsion, case report, 602
Anatomic scoring systems, patient survival predictors, 441
Aneurysm, iatrogenic false, brachiocephalic artery and, total parenteral nutrition and, case report, 975
Ankle
  infected, arthrosis, management and outcome, case review, 1072
  reverse sural flap reconstruction, 82
Antibiotics
  calcium alginate dressing as drug-delivery system for, in surgical infections, 136
  would healing effects, animal model, 130
Anticoagulation, systemic, blunt carotid arterial injuries, 845
Aorta, injury, central venous catheter placement and, case report, 403
Aortic valve, regurgitation, posttraumatic, atrial septum rupture and, case report, 591
APACHE system, vs. Trauma and Injury Severity Score and 24-hour ICU point systemic, mortality predictors in ICU trauma patients, 324
Arrow/spear wounds, to head and neck, late complications of, case report, 768
Arterial injuries
  bleeding detection in pelvic trauma, 638
  blunt carotid, grading scale for, 845
  limb perfusion after, shunt for temporary maintenance of, animal study, 64
Arteriography, splenic, traumatic splenic arteriovenous fistula diagnosis, embolization for, case report, 173
Arthritis, intra-articular gunshot wounds and, case report, 158
Ascaris infection, in trauma patient, case report, 611
Assault injuries, unarmed victims, epidemiology in Sweden, 733
Atrial septum, rupture, posttraumatic aortic valve regurgitation and, case report, 591
Aviation crashes, midair, injury analysis, TWA Flight 800 disaster, 617

Bacteremia, *Pseudomonas aeruginosa* infection and thermal injury, effects on pulmonary and bacterial clearance, 912
Basal ganglia, functional normalization, light deprivation effects after frontal brain trauma, 265
Bicyclists, facial injury profiles, comparison with mountainbikers, 50
Biliary obstruction, hemobilia and, case report, 582
Biochemical markers, soft-tissue and fracture trauma, 358
Biomaterials, polylactides as, guided tissue regeneration and, 303
Biomechanics
  commotio cordis predictors and, after high-speed blunt chest trauma, 468
  3D finite element analysis in subdural hematoma, 538
  fatigue strength of locking screws and small-diameter tibial nails, tibial fractures, 379
Blast injuries
  from explosive munitions, war, 96
  shock after, vagally mediated reflex and, 105
  small bowel and, case report, 979
  terrorist bombing and building collapse, physical injuries of survivors, 728
Blood alcohol concentration, alcohol dependence detection, in trauma centers, 874
Blood flow, hemorrhage and nerve stimulation and, 481
Blood transfusion, in pediatric burn surgery, 526
Blunt trauma
  abdominal
    FAST assessment of, 632
    gastric resection for gastric rupture from, case report, 410
    hip dislocation and, motor vehicle crash, 60
    intussusception from, adult, case report, 156
    splenic injury management and, CT and splenic scoring overuse in, 651
  aortic valve regurgitation and atrial septum rupture, case report, 591
  carotid, after head injury, case report and literature review, 179
  carotid arterial injuries, grading scale for, 845
  cervical spine injury in, cervical helical CT for identification of, 896
  chest
    brachiocephalic trunk rupture and carotid artery repair using hypothermic circulatory arrest, case report, 790

delayed traumatic mitral regurgitation after, case report, 982
high-speed, biomechanical predictor of commotio cordis, 468
seat belt-related, left ventricular thrombus after, case report, 599
seat belts and (letter), 437
sternal fracture, anterior mediastinal abscess after, 551
diaphramatic paralysis after, case report, 410
hepatic, sonographic detection, parenchymal patterns of, 1092
midair aviation crash, TWA Flight 800, injury analysis, 617
mortality predictors, comparison of statistical models for, 8
pancreatic, management in children, 1098
sternal fracture, osteomyelitis and mediastinitis in, case report, 594
thoracic aorta, multiple injuries and, delayed vs. early repair, 254
thoracotomy indications in, videothoracoscopy effects on, 1088
Bomb injuries, building collapse and, physical injuries of survivors, 728
Bombing, terrorist in urban area, surgical resource utilization during, 545
Bone
extracorporeal shock wave effects on, 946
formation, extracorporeal shock wave-induced, 946
graft
carpal scaphoid nonunion and, follow-up study, 558
fibular, long-term follow-up study, 777
tibial, outcome, 555
healing, cigarette smoking and, hyperbaric oxygen therapy effects, 752
transplantation, tibial pilon fractures, treatment method comparison, 937
Book reviews, Sports-Related Concussion, 189
Bowel
injuries, gastrointestinal anastomoses for, stapled vs. sutured, 500
obstruction
blunt abdominal trauma and, adult, case report, 156
enteral feedings and, burn trauma patient, case report, 859
small
hydroblast injuries to, case report, 979
perforation of, early diagnosis and management, 515
Brachial artery, transection of, after closed elbow dislocation, case report, 176
Brachiocephalic artery, iatrogenic false aneurysm, total parenteral nutrition and, case report, 975
Brain death, solid organ procurement after, burned children, 1060
Brain injuries, traumatic
death after major trauma and, 891
light deprivation effects on attentional deficits and functional normalization of basal ganglia, 265
α-thrombin effects in superoxide dismutase levels, 885
Bronchial blocker placement, techniques for, 423
Bronchoscopy, dilatational percutaneous tracheostomy and, 142
Burns
endothelial response to, 492
endotoxins response, 492
full-thickness, direct current effects on zone-of-stasis limits and tissue edema, 294
incidence and impact of, children and adolescents, 15
infradiaphragmatic central venous pressure accuracy in supradiaphragmatic pressure reflection, 300
insulin-like growth factor and insulin-like growth factor binding protein-3 effects in, 904
intestinal obstruction secondary to enteral feedings in, 859
pediatric, solid organ procurement after brain death, 1060
prostaglandin E_2d synthesis and metabolism, 1052
Pseudomonas aeruginosa infection and thermal injury, effects on pulmonary and bacterial clearance, 912
whole blood transfusion in, children, 526

Candida albicans, gut barrier function effects, 1045
Capillary leak, in sepsis, tumor necrosis factor and, 486
Cardiopulmonary resuscitation, children, survival and functional outcome, 1
Carotid artery
blunt trauma, screening for (letter), 438
left common, false aneurysm of, 52 years after penetrating chest trauma, case report, 400
Carotid cavernous fistula, posttraumatic, embolization and, signs, symptoms, and disability outcomes after, 275
Catheterization, central venous, aortic injury resulting from, case report, 403
Cavagram, carbon dioxide, inferior vena cava filter placement, case report, 1140
Cellular function, capillary leak in sepsis and, tumor necrosis factor role in, 486
Cerebral edema, head trauma and, hypertonic saline/acetate infusion role in, 659
Cervical spine injuries
blunt trauma and, cervical helical CT for identification of, 896
incidence of, national survey of and approach to screening in trauma centers, 684
Chest
blunt trauma
brachiocephalic trunk rupture and carotid artery repair using hypothermic circulatory arrest, case report, 790
delayed traumatic mitral regurgitation after, case report, 982
high-speed, biomechanical predictor of commotio cordis, 468
safety belts and (letter), 437
seat belt-related, left ventricular thrombus after, case report, 599
sternal fracture and, anterior mediastinal abscess after, 551
sternum fracture after, cardiopulmonary sequelae after, case report, 161
thoracotomy indications, videothoracoscopy effects on, 1088
traumatic mitral valve insufficiency and, case report, 165
penetrating trauma
alcohol intoxication effects on cardiac tamponade in, 346
false aneurysm of left common carotid artery 52 years after, case report, 400
gunshot wound, lead toxicity from projectiles and, 2,3-dimercaptosuccinic acid and surgery for treatment, case report, 766
heart, nail-gun related, case report, 588
Chest tube, erosion into subclavian artery, case report, 972
Children
blunt pancreatic trauma, management, 1098
burn surgery, blood transfusion in, 526
cardiopulmonary resuscitation in, survival and functional outcome, 1
incidence and impact of injuries, population-based study, 15
severe head injuries, risk factor impact on outcome, 33
trauma, curfew law effects on, 1013
trauma care
comparison with adults, 455
future directions in, S90
trauma deaths, related to inappropriate trauma care, 243
trauma system distinctions for, S85
traumatic mitral valve insufficiency and, case report, 165
unstable femoral fractures, elastic stable intramedullary nailing effects, preliminary results, 372
Cholangiopancreatography, magnetic resonance, pancreatic trauma and, case report, 585
Cholangitis, hemobilia and, case report, 582
Cigarette smoking, bone healing and, hyperbaric oxygen therapy effects, 752
Circulatory arrest
hypothermic, brachiocephalic trunk rupture and carotid artery repair using, in blunt chest trauma, case report, 790
multiple organ dysfunction after, radical oxygen species and, 691
Coagulation, disseminated intravascular, acute respiratory distress syndrome and, trauma and sepsis patients, 719
Collagen, wound healing during sepsis and, 533
Coma
children, cardiopulmonary resuscitation and, survival and functional outcomes, 1
hypoxic-ischemic, prognosis in nonneurologic trauma, 1122
Commotio cordis, biomechanical predictor of, in high-speed blunt impact, 468
Compartment syndrome
abdominal, trauma surgeons opinions on prevention of, 509
of liver, case report, 796
near-infrared spectroscopy monitoring of, 829

thigh, false aneurysm of profunda femoris artery in intertrochanteric fracture and, case report, 393
Computed tomography
cervical helical, cervical spine injury in blunt trauma, role in identification, 896
intravenous contrast-enhanced, arterial bleeding detection in pelvic trauma and, 638
splenic injury management and, 651
Contusion
light deprivation effects on attentional deficits and functional normalization of basal ganglia, 265
myocardial, cardiac troponin I/T release kinetics after, 474
pulmonary, blunt traumatic rupture of thoracic aorta and, cardiopulmonary bypass for life support during surgery, case report, 406
Costs
financial burden of trauma care, university hospital in developing country, 572
per quality-adjusted life year, trauma care, S99
trauma care and (editorial), 436
C-reactive protein, systemic inflammatory response syndrome and, in trauma intensive care unit, 1004
Creatine kinase, analysis, in soft-tissue and fracture trauma, 358
Critical illness, fungal infections, amphotericin B vs. dextrose colloidal solution in, 336
Crush syndrome, terrorist bombing and building collapse, physical injuries of survivors, 728
Curfew law, juvenile trauma effects, 1013

Demographics, age as predictor of mortality and morbidity in trauma patients and (letter), 437
Dextrose colloidal solution, fungal infections in critically ill patients and, comparison with amphotericin B, 336
Diaphragm, paralysis of, after blunt trauma, case report, 410
2,3-Dimercaptosuccinic acid, lead toxicity from projectiles, case report, 766
Direct current, zone-of-stasis limits and edema in full-thickness burns, 294
Dislocations
dorsal, distal radius fractures and, internal fixation, 760
elbow, snowboarding vs. skiing, 77
patella, case reports and literature review, 780
Dressings, dry fibrin sealant, blood loss stoppage in grade V liver injuries, 233
Drug abuse, life-threatening trauma and, 568
Duodenum
fistula, penetrating trauma and, 330
penetrating trauma
prognostic factors and management, 330
sphincteroplasty as adjunct in, 22
Dyspnea, chest tube erosion into subclavian artery and, case report, 972

Ear injuries, nail gun injury to, case report, 985
Eastern Association for the Surgery of Trauma, evidence-based medicine in trauma care and, 225
Economic factors
costs of trauma care, S99
financial burden of trauma care, university hospital in developing country, 572
trauma care and (editorial), 436
Elastic modulus, vascular tone expressed by, in hemorrhagic shock, 282
Elbow
dislocation, closed, brachial artery transection following, case repot, 176
fracture and dislocation, snowboarding vs. skiing injuries, 77
Electrophysiologic investigation, head injury prognosis, comparison with MRI, 44
Embolization
adrenal hemorrhage and, case report, 1153
angiographic
posttraumatic carotid cavernous fistula and, signs, symptoms, and disability outcomes after, 275
for traumatic hemobilia, complications of, case report, 977
traumatic splenic arteriovenous fistula, case report, 173
Emergency medical services
standard vs. alternative prehospital, resuscitation, hemorrhagic shock and head injury, 834
trauma care, children vs. adults, 455
Endoprosthesis, posttraumatic dissection of renal artery and, adolescents, case report, 169
Endothelin-1, actions of, on hydraulic permeability, 713
Endotoxin, endothelial response to, 492
Energy phosphates, adenosine-triphosphate, trauma-related hypothermia, 673
Enteral feedings, intestinal obstruction and, burn trauma patient, case report, 859
Epidemiology
arrow and spear wounds, case report, 768
cervical spine injury incidence, national survey of, 684
injury, population-based data, 448
unarmed victims of violence-related injuries, Sweden, 733
Epidural hematoma, surgical outcome, 39
Epistaxis, posttraumatic pseudoaneurysm of sphenopalatine artery presenting as, case report, 396
Erectile dysfunction, orthopedic trauma and, fracture table management, case report and literature review, 183
Escherichia coli, gut barrier function effects, 1045
Etiology, posttraumatic stress disorder after trauma, 867
Evans blue albumin, direct current effects on accumulation, in full-thickness burns, 294
Evidence-based medicine, in trauma care, 225
Evisceration, abdominal stab wounds and, laparotomy requirements in, 622
Evoked potentials, head injury prognosis, comparison with MRI, 44
Explosive injuries
blast effects in explosive munitions, war, 96
shock after, vagally mediated reflex and, 105
Extracorporeal shock wave, effects on bone, 946
Extremity. *see* Lower extremity; Upper extremity

Facial injuries
alcohol- and non-alcohol-related traffic injuries and, 881
comparison between bicyclists and mountainbikers, 50
lower lip avulsion, replantation of, case report, 602
posttraumatic pseudoaneurysm of sphenopalatine artery presenting as epistaxis and, case report, 396
Fall injuries
transabdominal impalement injury from, management of, 864
urban, renal injury patterns in, long-term retrospective analysis, 643
FAST assessment, blunt abdominal trauma and, 632
Fat embolism syndrome, pulmonary vasculature, 111
Fat intravasation, lung inflammation and (letter), 190
Fatalities, forklifts and, 1084
Femoral nerve palsy, after nonoperative management of traumatic iliacus muscle hematoma, case report, 1150
Femur
cortical revascularization after reamed and unreamed intramedullary nailing, rabbit, microangiographic histometric analysis, 744
distal, fractures, minimally invasive treatment for, 799
fractures
erectile dysfunction secondary to, fracture table management, case report and literature review, 183
unstable, elastic stable intramedullary nailing for, preliminary results, 372
proximal, fractures, long gamma nail treatment, indications, techniques, results, 942
Fever, humoral and neural pathways role in genesis and control, after lipopolysaccharide administration, 120
Fibrin sealant, blood loss stoppage and, grade V liver injuries, 233
Fibroblast, antibiotics effects in wound healing and, animal model, 130
Finite element analysis, 3D, in subdural hematoma, 538
Firearms
penetrating head injury during Civil War reenactment, historical vs. current treatment, case report, 151
safety features of handguns, review, 145
Fistulas
arteriovenous
presenting as airway hemorrhage, after percutaneous tracheostomy, case report, 774
traumatic splenic, embolization for, case report, 173

carotid-cavernous, detachable balloon technique treatment, case report, 1156
Fixation
distal femur fractures, minimally invasive treatment for, 799
internal
distal radius fractures with dorsal dislocation, 760
open reduction and, displaced open acetabular fractures, case report, 389
pelvic ring fractures and, functional outcome after, 365
tibial pilon fractures, treatment method comparison, 937
long gamma nailing, proximal femur fractures, indications, techniques, results, 942
Flap, pedicled groin, for hand reconstruction, ischemic preconditioning and laser Doppler for early division, 89
Flap reconstruction
free medialis pedis, hand skin and soft tissue deficits, 738
reverse sural, ankle and heel reconstruction, 82
Fractures, *see also* specific site
acetabular, patterns, association with motor vehicle crash data, 1063
acetabular displaced open, open reduction and internal fixation treatment, case report, 389
acute respiratory distress syndrome and infection in, neutrophil $[Ca^{2+}]_i$ signaling and oxidative burst in, 854
basilar skull, posttraumatic carotid cavernous fistula evaluation and, 275
biochemical characterization of, 358
bone healing after, cigarette smoking and, hyperbaric oxygen therapy effects, 752
distal radius, dorsal dislocations and, internal fixation of, 760
elbow, snowboarding vs. skiing, 77
femoral
distal, minimally invasive treatment for, 799
erectile dysfunction secondary to, fracture table management, case report and literature review, 183
proximal, long gamma nailing, indications, techniques, results, 942
unstable, elastic stable intramedullary nailing effects, preliminary results, children, 372
healing, tibial bone grafting and, 555
intertrochanteric, thigh compartment syndrome, false aneurysm of profunda femoris artery in, case report, 393
otic capsule sparing vs. otic capsule violating, new designations for temporal bone fractures, 1079
pelvic
arterial bleeding detection in, 638
bilateral external iliac artery dissections after, case report, 784
pelvic ring, internal fixation for, functional outcome after, 365
rib, thoracic epidural vs. patient-controlled analgesia for pain control, after motor vehicle crashes, 564
sternum
after blunt chest trauma, cardiopulmonary sequelae after, case report, 161
blunt chest trauma, anterior mediastinal abscess after, 551
blunt trauma, osteomyelitis and mediastinitis in, case report, 594
temporal bone, classification system comparison, 1079
tibial pilon, treatment method comparison, 937
Fubular graft, long-term follow-up study, 777
Functional disability, incidence and impact of childhood and adolescent injuries, 15
Fungemia, critically ill patients, amphotericin B vs. dextrose colloidal solution effects, 336

Gastric rupture, blunt abdominal trauma and, gastric resection for, case report, 410
Gastrointetinal anastomoses, stapled vs. sutured, trauma patients, 500
Gelatine, hydroxyethyl starch and, trauma resuscitation, comparison study, 1114
Genitourinary injuries, erectile dysfunction secondary to, fracture table management, case report and literature review, 183
Glenohumeral joint, rotator cuff muscles and, 55
Graft, laserskin, development and evaluation, 918
Gunshot wounds
bullet caliber and (letter), 992, 993
false aneurysm of left common carotid artery 52 years after, case report, 400
intraarterticular, of knee, delayed diagnosis of, case report, 158
lead encapsulation in body effects on joint structure and, 951
lead toxicity from projectiles, 2,3-dimercaptosuccinic acid and surgery for treatment, case report, 766
Gut barrier, *Candida* and *Escherichia coli* effects on, 1045

Hand
reconstruction, pedicled groin flap, ischemic preconditioning and laser Doppler for early division, 89
skin and soft tissue deficits, free medialis pedis flap in reconstruction, 738
Handguns, safety features review, 145
Head injuries
alcohol- and non-alcohol-related traffic injuries and, 881
arrow and spear wounds, late complications of, case report, 768
basilar skull fractures, posttraumatic carotid cavernous fistula evaluation and, 275
blunt, carotid injury from, case report and literature review, 179
hemorrhagic shock and, standard vs. alternative prehospital resuscitation, 834
incidence and impact of, children and adolescents, 15
intracranial hematoma, surgical outcome, 39
MRI vs. electrophysiologic investigation for prognosis, 44
parasaggital bridging veins rupture without subdural bleeding, case report, 606
penetrating, during Civil War reenactment, historical vs. current treatment, case report, 151
severe
cerebral edema, hypertonic saline/acetate infusion role in, 659
clinical, radiologic, serum markers comparison as prognostic factors, 1126
left ventricular performance changes in, during and after hypothermia, 666
risk factor impact on outcome, children, 33
Heart
cardiac arrest, blunt traumatic, aortic cannulation during emergency thoracotomy and, case report, 787
cardiac function after severe head injury, during and after hypothermia, 666
cardiac output, continuous, measurement of, accuracy during hemorrhage and resuscitation, 288
cardiac tamponade, alcohol intoxication effects, penetrating chest injury patients, 346
exsanguination cardiac arrest, hypothermic aortic flush for preservation during, 1028
penetrating injuries, nail gun-related, case report, 588
Heel, reverse sural flap reconstruction, 82
Hematomas
acute subdural, 3D finite element analysis of, 538
epidural, surgical outcome, 39
intracranial, traumatic, surgical outcome, 39
mediastinal, sternal fracture with, cardiopulmonary sequelae after, case report, 161
traumatic iliacus muscle, femoral nerve palsy after nonoperative management, case report, 1150
Hemobilia
posttraumatic, obstructive jaundice and, case report, 582
traumatic, angiographic embolization for, complications of, case report, 977
Hemodynamics
continuous cardiac output measurement accuracy during hemorrhage and resuscitation, 288
oxygen delivery and consumption in sepsis, 706
Hemopericardium, pericardioscopy in management of, case report, 793
Hemoptysis, dilatational percutaneous tracheostomy and, 142
Hemorrhage
adrenal, embolization of, case report, 1153
airway, arteriovenous fistula presenting as, after percutaneous tracheostomy, case report, 774
cardiovascular response to, modification by somatic afferent nerve stimulation, 481
continuous cardiac output measurement accuracy during, 288
dry fibrin sealant dressings role in stopping, grade V liver injuries, 233

shock
abdominal compartment syndrome and, 995
head injury and, standard vs. alternative prehospital resuscitation, 834
vascular injury and, resuscitation with hypertonic saline, sodium acetate, and lactated Ringer's solution in, 956
vascular tone in, 282
vascular injury and, resuscitation with hypertonic saline, sodium acetate, and lactated Ringer's solution in, 956
Hernia, lumbar, due to seat beat injury, case report, 154
Hip
displaced open acetabular fracture, open reduction and internal fixation for, case report, 389
traumatic dislocation, severity of injuries associated with, motor vehicle crash, 60
History of trauma system development, S8
Hyaluronate, laserskin graft development and evaluation and, 918
Hydroblast injuries, small bowel and inferior vena cava, case report, 979
Hydroxyethyl starch, gelatine and, trauma resuscitation, comparison study, 1114
Hyperbaric oxygen therapy
cigarette smoking effects on bone healing and, 752
overview of, 426
Hypertonic saline, cerebral edema in head trauma and, 659
Hypoperfusion, occult, detection and correction within 24 hours, major trauma outcome effects, 964
Hypotension, compartment syndrome and, near-infrared spectroscopy monitoring, 829
Hypothermia
adenosine-triphosphate in, 673
dry fibrin sealant dressings role in stoppage of blood loss and, 233
left ventricular performance changes in severe head injury during and after, 666
Hypoxemia, after blast injury, 105
Hypoxia, tissue, oxygen delivery and consumption in sepsis and, 706

Iliac artery, bilateral external dissection of, after pelvic fracture, case report, 784
Impalement injuries, transabdominal, management of, 864
Incisions, bleeding from, ultrasound for control of, 521
Infection
Ascaris, in trauma patient, case report, 611
fungal, critically ill patients, amphotericin B vs. dextrose colloidal solution effects, 336
incidence, risk factors, and complications, hospitalized trauma patients, 923
intra-articular gunshot wounds and, case report, 158
systemic inflammatory response syndrome, in trauma intensive care unit, 1004
Inferior vena cava, filter, carbon dioxide cavagram for placement, case report, 1140
Injury. *see also* specific site
analysis, midair aviation crash, TWA Flight 800, 617
body region of, alcohol- and non-alcohol-related traffic injuries, 881
penetrating head injury during Civil War reenactment, historical vs. current treatment, case report, 151
prevention, handguns, safety features of, 145
railway train collisions vs. motor vehicle crashes, injury severity and patterns, comparative study, 928
severity
alternative methods for assessing, comparison of, 441
modified scales effects on data collection, 309
railway train vs. motor vehicle crashes, comparative study, 928
Injury Severity Score
financial burden of trauma care in university hospital in developing country, 572
mortality prediction in blunt trauma, comparison with Trauma and Injury Severity Score, 8
posttraumatic stress disorder after injury and, 460
Innominate artery, cardiopulmonary bypass with systemic hypothermia and cerebral perfusion, case report, 790
Insulin-like growth factor, insulin-like growth factor binding protein-3 and, effects in burn patients, 904
Intensive care
inferior vena cava filters, insertion at bedside, 1104
systemic inflammatory response syndrome in, 1004
trauma patients, prediction of outcomes in, 324
Interleukin-6
analysis, in soft-tissue and fracture trauma, 358
fever, humoral and neural pathways role in genesis and control and, 120
Interleukin-1, wound healing during sepsis and, 533
Intertrochanteric fracture, false aneurysm of profunda femoris artery in, thigh compartment syndrome and, case report, 393
Intestinal obstruction, enteral feedings and, burn trauma patient, case report, 859
Intra-abdominal pressure, abdominal compartment syndrome and, trauma surgeons opinions on prevention of, 509
Intracranial pressure, cerebral edema in head trauma and, hypertonic saline/acetate infusion for treatment, 659
Intramedullary nailing, elastic stable, in unstable femoral fractures, preliminary results, 372
Intubation, failure, laryngeal mask airway use during air transport, 352
Intussusception, blunt abdominal trauma and, adult, case report, 156
Ischemia
compartment syndrome and, near-infrared spectroscopy monitoring, 829
intestinal, aminoguanidine attenuation of hemodynamic and microcirculatory derangement, 1108
Ischemic preconditioning, pedicled groin flap for hand reconstruction and, 89

Jaundice, obstructive, posttraumatic hemobilia and, case report, 582
Jejunostomy, feeding, complications in trauma patients, 1009
Joints, lead encapsulation in body effects on, 951

Keratinocytes, laserskin graft development and evaluation, 918
Kidney
function, renal venous pressure effects on, 1000
injury patterns, in urban free fall injuries, long-term retrospective analysis, 643
trauma, surgical management, vascular control in, 1039
Knee
below-knee amputations after land mine injury, primary closure vs. delayed primary closure techniques, 724
intra-articular gunshot injury, delayed diagnosis of, case report, 158

Laserskin, development and evaluation and, 918
Lead intoxication, lead encapsulation in body and, effects on joint structures, 951
Lead toxicity, from projectiles, 2,3-dimercaptosuccinic acid and surgery for treatment, case report, 766
Life Experience Survey, posttraumatic stress disorder after trauma, 867
Life years, quality adjusted
economic analysis based on, in trauma care, S99
value of (commentary), S104
Light deprivation, attention deficits and functional normalization of basal ganglia, after frontal brain trauma, 265
Limb perfusion, shunt role in, after arterial injury, animal study, 64
Lipopolysaccharide, fever, humoral and neural pathways role in genesis and control and, 120
Liver
blunt trauma, sonographic detection, parenchymal patterns of, 1092
compartment syndrome, case report, 796
grade V injuries, dry fibrin sealant dressings role in stopping blood loss, 233
laceration, post-cardiac massage, recognition and management, case report, 408
penetrating injury, posttraumatic hemobilia and obstructive jaundice in, case report, 582
Lower extremity, below-knee amputations after land mine injury, primary closure vs. delayed primary closure techniques, 724
Lumbar hernia, seat beat injury, case report, 154

Lung inflammation, fat intravasation and (letter), 190
Lung injuries, fat embolism syndrome effects on pulmonary vasculature and, 111

Magnetic resonance cholangiopancreatography, pancreatic trauma and, case report, 585
Magnetic resonance imaging, head injury prognosis, comparison with electrophysiologic investigation, 44
Major Trauma Outcome Study, trauma system effectiveness and, S46
Mediastinal abscess, after sternal fracture in blunt chest trauma, 551
Mediastinitis, blunt sternal fracture and, case report, 594
Michigan Critical Events Perception Scale, posttraumatic stress disorder after trauma, 460, 867
Mitral regurgitation, delayed, after blunt chest trauma, case report, 982
Mitral valve insufficiency, acute traumatic, case report, 165
Mortality
  blunt trauma, comparison of statistical models predicting, 8
  pediatric, inappropriate trauma care and, 243
  penetrating duodenal trauma and, 330
  predictors, comparison of Trauma and Injury Severity Score, APACHE system, and 24-hour ICU point system, in ICU trauma patients, 324
  rates, after major trauma, traumatic brain injury and, 891
  severe head injury in children and, impact of risk factors on, 33
  trauma system effectiveness, review of published evidence of, S25
  trauma-related, panel reviews of (commentary), S44
  traumatic mitral valve insufficiency and, case report, 165
Motor vehicle crashes
  acetabular fracture patterns and, 1063
  alcohol- and non-alcohol-related, body region of injuries and, 881
  blunt aortic transection with aberrant right subclavian artery, case report, 597
  blunt ureteropelvic junction disruption, case report, 186
  fence post impalement, outcome, case report, 605
  hip dislocation, severity of injuries associated with, 60
  incidence and impact of, children and adolescents, 15
  intracranial hematoma, surgical outcome, 39
  lumbar hernia due to seat belt injury, case report, 154
  modification of Abbreviated Injury Scale, effects on global data classification, 309
  motorcycle, intracranial hematoma, surgical outcome, 39
  parasaggital bridging veins rupture without subdural bleeding, case report, 606
  rib fracture, management of pain after, 564
  sternal fracture
    (letter), 437
    with mediastinal hematoma, delayed cardiopulmonary sequelae, case report, 161
    osteomyelitis and mediastinitis in, case report, 594
  traumatic mitral valve insufficiency and, case report, 165
  traumatic splenic arteriovenous fistula, embolization for, case report, 173
  vs. railway train collisions, injury severity and patterns, comparative study, 928
Mountainbikers, facial injury profiles, comparison with bicyclists, 50
Multiple organ dysfunction, after remote circulatory arrest, radical oxygen species and, 691
Muscle
  ischemia, compartment syndrome and, near-infrared spectroscopy monitoring, 829
  skeletal, protein synthesis measurement by positron emission tomography, transamination and transmethylation effects, 341

Nail gun
  ear and skull base injury and, case report, 985
  penetrating heart injury and, case report, 588
Nailing
  intramedullary, elastic stable, in unstable femoral fractures, preliminary results, 372
  long gamma, proximal femur fractures, indications, techniques, results, 942
Neck
  contracture, scapular/parascapular flap for reconstruction, case report and literature review, 1142
  injuries
    arrow and spear wounds, late complications of, case report, 768
    blunt, carotid trauma after, case report and literature review, 179
Nephrotoxicity, amphotericin B and, in fungal infections in critically ill patients, 336
Nerve stimulation, hemorrhage and, blood flow after, 481
Neuropathy, traumatic sciatic, cause, experience, and literature review, 986
Neurosurgeons, head injury patients and (letter), 438
Nutrition
  feeding jejunostomy complications in trauma patients, 1009
  total parenteral, iatrogenic false aneurysm of brachiocephalic artery and, case report, 975

Objective Structured Clinical Examination, physician performance assessment in ultrasound evaluation of trauma, 627
Occupational injuries
  forklifts, fatalities from, 1084
  impalement injuries in construction site, transabdominal, management of, 864
Orthopedic trauma, erectile dysfunction and, fracture table management, case report and literature review, 183
Osteosynthesis, carpal scaphoid nonunion, with bone graft and Kirschner wires, follow-up study, 558
Ostoemyelitis, blunt sternal fracture and, case report, 594
Outcomes
  APACHE system, Trauma and Injury Severity Score, and 24-hour ICU point systemic, comparison as mortality predictors in ICU trauma patients, 324
  biochemical characterization of soft-tissue and fracture trauma, 358
  blunt carotid arterial injuries, grading scale for, 845
  blunt thoracic aortic injury, delayed vs. early repair, 254
  cardiopulmonary resuscitation in children, 1
  functional, internal fixation for pelvic ring fracture, 365
  incidence and impact of childhood and adolescent injuries, population-based study, 15
  infected ankle and subtalar joint, 1072
  intracranial hematoma, surgical outcome, 39
  light deprivation effects on attentional deficits and functional normalization of basal ganglia after frontal brain trauma, 265
  major trauma, occult hypoperfusion detection and correction within 24 hours effects on, 964
  posttraumatic carotid cavernous fistula, embolization and, signs, symptoms, and disability outcomes after, 275
  posttraumatic stress disorder after injury and, 460
  prospective analysis of (letter), 190
  severe head injury in children and, impact of risk factors on, 33
  standardization of measurements of, in trauma systems reviews, S92
  tibial bone grafting, 555
  trauma faculty and team activation in trauma system and, 576
  ulnar nerve division after shower injury (letter), 822
Oxygen
  delivery and consumption in sepsis, 706
  hyperbaric, overview of, 426

Pain management, rib fracture, thoracic epidural vs. patient-controlled analgesia for, 564
Pancreas
  blunt trauma, management in children, 1098
  traumatic injury, magnetic resonance cholangiopancreatography in diagnosis, case report, 585
Patella, intra-articular dislocation of, case reports and literature review, 780
Pedicled groin flap, hand reconstruction, ischemic preconditioning and laser Doppler for early division, 89
Pelvis
  fractures
    arterial bleeding detection in, 638
    bilateral external iliac artery dissections after, case report, 784
  ring fractures, functional outcome after internal fixation, 365

Penetrating trauma
abdomen
prognostic factors and management, 330
stab wounds, laparotomy requirements in, 622
arrow and spear wounds to head and neck, late complications of, case report, 768
chest, alcohol intoxication effects on cardiac tamponade, 346
duodenum, sphincteroplasty as adjunct in, 22
foreign bone in shoulder and, case report, 1148
gunshot wounds, bullet caliber and (letter), 992, 993
heart, nail gun-related, case report, 588
stab wounds, pneumothorax and, thoracic ultrasound for diagnosis, case report, 970
Pericardioscopy, hemopericardium management, case report, 793
Physical abuse, violence-related injuries, Sweden, 733
Pilon fractures, tibial, treatment method comparison, 937
Pneumatic compression, calf-thigh, deep vein thrombosis prevention, comparison with plantar venous pneumatic compression, non-lower extremity trauma, 25
Pneumonia, *Pseudomonas aeruginosa*, thermal injury and, effects on pulmonary and bacterial clearance, 912
Pneumothorax, thoracic ultrasound for diagnosis, case report, 970
Polylactides, guided tissue regeneration and, 303
Positron emission tomography, muscle protein synthesis measurement, transamination and transmethylation effects, 341
Posttraumatic stress disorder
after injury, outcome and risk assessment, 460
development after injury, etiology of, 867
Prostaglandin E_2d, synthesis and metabolism, in burn injury, 1052
Prosthesis, abdominal wall replacement, with/without peritonitis, 529
Protein synthesis rate, skeletal muscle, positron emission tomography measurement of, transamination and transmethylation effects, 341
Pseudomonas aeruginosa infection, thermal injury and, effects on pulmonary and bacterial clearance, 912
Psychological factors, perceived morbidity, posttraumatic stress disorder after injury and, 460
Pulmonary defensive reflex, after blast injury, 105

Radical oxygen species, multiple organ dysfunction after remote circulatory arrest and, 691
Radiography, cervical spine injury in blunt trauma, role, identification, 896
Radius, distal fractures, dorsal dislocation and, internal fixation of, 760
Railway train collisions, vs. motor vehicle crashes, injury severity and patterns, comparative study, 928
Rectal blowout, by watercraft water jet, case report and literature review, 385
Regeneration, splenic wound healing and, age-related differences, 261
Renal artery, posttraumatic dissection of, endoprosthesis for treatment, adolescents, case report, 169
Reperfusion, ischemia and, intestinal, aminoguanidine attenuation of hemodynamic and microcirculatory derangement, 1108
Research
panel studies
trauma system effectiveness and, S34
trauma-related mortality (commentary), S44
use of, S42
population-based, trauma system effectiveness and, S59, S67
Resource utilization, terrorist bombing in urban area, use of surgical staff and facilities, 545
Respiratory distress syndrome, acute, tissue-factor dependent coagulation pathway in, trauma and sepsis patients, 719
Resuscitation
cardiopulmonary, external cardiac massage and, liver laceration after, recognition and management, case report, 408
continuous cardiac output measurement accuracy during, 288
hydroxyethyl starch vs. gelatine for, randomized trial, 1114
hypertonic saline, sodium acetate and lactated Ringer's solution, hemorrhage from vascular injury and, 956
prehospital, standard vs. alternative, hemorrhagic shock and head injury, 834
tracheal intubation, lung isolation after, 423
Revascularization, cortical, after reamed vs. unreamed intramedullary nailing in rabbit femur, 744
Rib, fracture, thoracic epidural vs. patient-controlled analgesia for management of pain, motor vehicle crashes, 564
Rotator cuff
glenohumeral joint and, 55
inferior shoulder stability and, 55

Scaphoid, fractures, nonunion of, osteosynthesis with bone graft and Kirschner wires, follow-up study, 558
Sciatic nerve, neuropathy, cause, experience, and literature review, 986
Screening tests, blood alcohol concentration for detection of alcohol dependence, in trauma centers, 874
Seat belts, blunt chest trauma and
left ventricular thrombus after, case report, 599
(letter), 437
Sepsis
capillary leak in, tumor necrosis factor and, 486
complications, penetrating duodenal trauma and, 330
critically ill patients, amphotericin B vs. dextrose colloidal solution effects, 336
disseminated intravascular coagulation in acute respiratory distress syndrome and, 719
oxygen delivery and consumption in, 706
Pseudomonas aeruginosa infection and thermal injury, effects on pulmonary and bacterial clearance, 912
refractory hypotension in, vasopressin effects, 699
systemic inflammatory response syndrome, in trauma intensive care unit, 1004
wound healing during, tumor necrosis factor and, 533
Shock
after blast injuries, vagally mediated reflex and, 105
hemorrhagic
abdominal compartment syndrome and, 995
head injury and, standard vs. alternative prehospital resuscitation, 834
vascular injury and, resuscitation with hypertonic saline, sodium acetate, and lactated Ringer's solution in, 956
vascular tone in, 282
hypovolemic, alcohol intoxication and, 346
vasodilatory septic, vasopressin effects, 699
Shoft Form 36, posttraumatic stress disorder after injury and, 460
Shoulder
inferior stability, rotator cuff and, 55
trauma, caused by foreign bone, case report, 1148
Shunt
limb perfusion after arterial injury and, animal study, 64
temporary intravascular, vascular and orthopedic upper and lower limb trauma, 72
Skamania Symposium
emergency physician's perspective (commentary), S108
NHTSA video address, S79
trauma system efficacy evaluation, S3
Skeletal injuries, upper and lower limb, orthopedic and vascular injuries, temporary intravascular shunt, 72
Skiing injuries, compartment syndrome of liver, case report, 796
Skull
base, injuries to
nail gun-related, case report, 985
posttraumatic pseudoaneurysm of sphenopalatine artery presenting as epistaxis and, case report, 396
basilar, fractures, posttraumatic carotid cavernous fistula evaluation and, 275
Smooth muscle actin, alpha, inhibition of expression in wound healing model by antibiotics, animal model, 130
Snowboarding, vs. skiing, elbow fracture and dislocation, 77
Soft-tissue trauma, biochemical characterization of, 358
Somnambulism, trauma and, case report and literature review, 420
Spectroscopy, near-infrared, compartment syndrome monitoring, 829
Sphenopalatine artery, posttraumatic

pseudoaneurysm of, presenting as epistaxis, case report, 396
Sphincteroplasty, penetrating duodenal trauma and, 22
Spleen
bleeding, ultrasound for control of, 521
blunt trauma, CT and splenic scoring overuse in, 651
injuries, nonoperative management of, age-related differences, 261
Sports injuries
bicyclists and mountainbikers, facial injury profiles, comparison study, 50
compartment syndrome of liver, skiing, case report, 796
elbow fracture and dislocation, snowboarding vs. skiing, 77
rectal blowout by watercraft water jet, case report and literature review, 385
Stab wounds
abdominal, evisceration and, laparotomy requirements in, 622
pneumothorax and, thoracic ultrasound for diagnosis, case report, 970
Sternum
blunt fracture, osteomyelitis and mediastinitis in, case report, 594
fracture
anterior mediastinal abscess after, 551
mediastinal hematoma and, cardiopulmonary sequelae after, case report, 161
in motor vehicle crashes (letter), 437
Subclavian artery
aberrant, blunt aortic transection and, after motor vehicle crash, case report, 597
chest tube erosion into, case report, 972
Subtalar joint, infected, arthrosis, management and outcome, case review, 1072
Subtrochanteric fractures, long gamma nailing, indications, techniques, results, 942
Superoxide dismutase, α-thrombin effects on, in traumatic brain injury, 885
Surgery
abdominal wall replacement, prostheses for, with/without peritonitis, 529
ankle and heel reconstruction, reverse sural flap, 82
below-knee amputations after land mine injury, primary closure vs. delayed primary closure techniques, 724
burns, blood transfusion in, children, 526
cardiopulmonary bypass for life support during, blunt traumatic rupture of thoracic aorta and, case report, 406
elastic stable intramedullary nailing, in unstable femoral fractures, preliminary results, children, 372.
free medialis pedis flap, in hand skin and soft tissue deficits, 738
gastric resection, gastric rupture from blunt abdominal trauma and, case report, 410
gastrointestinal anastomoses, stapled vs. sutured, 500
infections, calcium alginate dressing as drug-delivery system for, 136
internal fixation for pelvic ring fracture, long-term outcome study, 365
intracranial hematoma, outcome, 39
kidney trauma, vascular control in, 1039
lead toxicity from projectiles, case report, 766
lower lip avulsion, replantation of, case report, 602
neck contracture, scapular/parascapular flap for reconstruction, case report and literature review, 1142
open reduction and internal fixation, displaced open acetabular fracture, case report, 389
reamed vs. unreamed intramedullary nailing in rabbit femur, cortical revascularization after, microangiographic histometric analysis, 744
small bowel perforation, early diagnosis and management, 515
terrorist bombing in urban area, resource utilization, 545
tibial pilon fractures, treatment method comparison, 937
Systemic inflammatory response syndrome, in trauma intensive care unit, 1004

Temporal bone, fractures, classification system comparison, 1079
Terrorist bombing
building collapse and, physical injuries of survivors, 728
surgical resource utilization during, 545
Thermal injury
endothelial response to endotoxin and, 492
Pseudomonas aeruginosa infection and thermal injury, effects on pulmonary and bacterial clearance, 912
Thigh, compartment syndrome, false aneurysm of profunda femoris artery in intertrochanteric fracture and, case report, 393
Thoracic aorta
blunt injuries, multiple injuries and, delayed vs. early repair, 254
blunt traumatic rupture of, pulmonary contusion and, cardiopulmonary bypass for life support during surgery, case report, 406
Thoracic trauma, hip dislocation and, motor vehicle crash, 60
Thoracotomy
emergency, aortic cannulation for blunt traumatic cardiac arrest and, case report, 787
indicatations in blunt chest trauma, videothoracoscopy effects on, 1088
α-Thrombin, superoxide dismutase levels and, in traumatic brain injury, 885
Thrombus, left ventricular, seat belt-related blunt chest trauma and, case report, 599
Tibia
fractures, fatigue strength of locking screws and small-diameter tibial nails, biomechanical study, 379
pilon fractures, treatment method comparison, 937
proximal, bone grafting from, 555
Tissue regeneration, guided, polylactide bioabsorbable polymers for, 303
Tracheal intubation, lung isolation after, 423
Tracheostomy
dilatational percutaneous, technique modification, 142
percutaneous, arteriovenous fistula presenting as airway hemorrhage after, case report, 774
Train collisions, vs. motor vehicle crashes, injury severity and patterns, comparative study, 928
Transplantation, solid organ procurement after brain death, burned children, 1060
Trauma. *see also* specific types
abdominal compartment syndrome, trauma surgeons opinions on prevention of, 509
ankle and heel, reconstruction with reverse sural flap, 82
Ascaris infection and, case report, 611
blunt carotid arterial injuries, grading scale for, 845
blunt thoracic aortic, multiple injuries and, delayed vs. early repair, 254
carotid-cavernous fistulas, detachable balloon technique treatment, case report, 1156
classification systems, modification of Abbreviated Injury Scale and, effects on global data classification, 309
disseminated intravascular coagulation in acute respiratory distress syndrome and, 719
dry fibrin sealant dressings role in stoppage of blood loss and, grade V liver injuries, 233
erectile dysfunction and, fracture table management, case report and literature review, 183
exsanguination cardiac arrest, hypothermic aortic flush for preservation during, 1028
feeding jejunostomy complications, 1009
fracture, biochemical characterization of, 358
frontal brain, light deprivation effects on attention deficits and functional normalization of basal ganglia, 265
gastrointestinal anastomoses, stapled vs. sutured, 500
hemorrhagic shock and, vascular tone in, 282
hypothermia, adenosine-triphosphate in, 673
injury severity assessment, alternative methods for, 441
intra-articular dislocation of patella, case reports and literature review, 780
juvenile, curfew law effects on, 1013
length of stay and complications evaluations, case-matching methodology and, 1018
life-threatening, alcohol and drug use and, 568
major
calf-thigh vs. plantar venous pneumatic compression for prevention of venous thrombosis, 25
occult hypoperfusion detection and correction within 24 hours effects on outcome, 964
traumatic brain injury and, mortality rates effects, 891

mitral valve insufficiency and, case report, 165
multiple, infection incidence, risk factors, and complications, hospitalized patients, 923
multiple organ dysfunction after remote circulatory arrest, radical oxygen species and, 691
nonneurologic, hypoxic-ischemic coma prognosis in, 1122
pancreatic, magnetic resonance cholangiopancreatography in diagnosis, case report, 585
posttraumatic stress disorder and
etiology of, 867
outcome and risk assessment, 460
prognostic factors, severe head injuries, 1126
renal, surgical management, vascular control in, 1039
in rural settings, future challenges in, 802
soft-tissue, biochemical characterization of, 358
somnanbulism and, case report and literature review, 420
splenic, nonoperative management of, age-related differences, 261
traumatic splenic arteriovenous fistula, embolization for, case report, 173
treatment errors, death related to, 243
ultrasound evaluation of, physician performance assessment, 627
unintentional, program evaluation, Canada, 932
Trauma and Injury Severity Score
mortality prediction in blunt trauma, comparison with Injury Severity Score, 8
vs. APACHE system and 24-hour ICU point system, comparison as mortality predictors in ICU trauma patients, 324
Trauma care
economic evaluation of, S99
economics of (editorial), 436
evidence-based medicine in, 225
financial burden of, university hospital in developing country, 572
inappropriate, pediatric trauma deaths attributable to, 243
pediatric, future directions in, S90
prehospital, adult vs. pediatric, differences in, 455
Trauma centers
alcohol intoxication and dependence detection by staff in, 1131
alcohol-dependent patients in, blood alcohol concentration for detection of, 874
cervical spine injury screening in, national survey of, 684
Trauma prevention, program evaluation, Canada, 932
Trauma registries
hospital, population-based data and, 448
trauma system effectiveness review, S46
TRISS evidence and, S56
Trauma systems
all-inclusive, S109
community-based, development of, barriers and facilitating factors, S22
development
American College of Emergency Physicians policy statement, S110
historical perspective, S8
regional needs assessments and, S106
update on, S15
effectiveness
optimal structure and, S69
panel studies review, S34
population-based research, S59, S67
registry comparisons review, S46
review of published evidence of, S25
standardization of outcome measurements, S92
faculty and team activation in, function and patient outcome, 576
future directions in, symposium address, S81
hospital registries and, population-based data and, 448
implementation and evaluation of, S75
pediatric, distinctions of, S85
rural settings and, future challenges in, 802
symposium for evaluation of efficacy, S3
Triolein, fat embolism syndrome effects on pulmonary vasculature and, 111
TRISS models, trauma registry data and, S56
Tumor necrosis factor
capillary leak in sepsis and, 486
wound healing during sepsis and, 533
Tumor necrosis factor-α, fever, humoral and neural pathways role in genesis and control and, 120

Ulnar nerve division, shower injuries, management (letter), 822
Ultrasonography
calf-thigh vs. plantar venous pneumatic compression for prevention of venous thrombosis after major trauma and, 25
FAST, blunt abdominal trauma and, 632
splenic bleeding control and, 521
thoracic, pneumothorax diagnosis role, case report, 970
trauma evaluation by, physician performance assessment, 627
Upper extremity, trauma, revascularization and soft tissue coverage with flow-through radial forearm free flap, case report, 416
Ureteropelvic junction, blunt injuries, case report, 186

Vascular injuries
hemorrhage and, resuscitation with hypertonic saline, sodium acetate, and lactated Ringer's solution in, 956
upper and lower limb, orthopedic injury and, temporary intravascular shunt use in, 72
Vascular tone, hemorrhagic shock and, 282
Vasopressin, vasodilatory septic shock and, 699
Vena cava
filters, bedside insertion of in intensive care unit, 1104
hydroblast injuries to, case report, 979
interruption device (letter), 438
Venous pressure, renal, effects on renal function, 1000
Venous thrombosis, calf-thigh vs. plantar venous pneumatic compression for prevention, after major trauma, 25
Vertbral artery, blunt trauma, screening for (letter), 438
Videothoracoscopy, thoracotomy indications in blunt chest trauma and, 1088
Violence-related injuries, unarmed victims, epidemiology in Sweden, 733

War injuries, blast effects in, 96
Watercraft, traumatic disruption of external anal sphincter and, case report and literature review, 385
Weapons, handgun safety features, 145
Weight bearing, after tibial bone grafting, 555
Western Trauma Association, presidential address, 825
Wound dressing, calcium alginate, as drug-delivery system, 136
Wound healing
antimicrobials effects, animal model, 130
during sepsis, tumor necrosis factor and, 533
splenic trauma, nonoperative management of, age-related differences, 261
Wound infection, surgical, calcium alginate dressing as drug-delivery system for, 136